

ICOM  
UHF Handheld

# IC-U12



- 450 - 460MHz or 460 - 470MHz
- 12 Channels
- 3 Watts
- Compact Size (7"H x 2½"W x 1¾"D)
- Synthesized
- Diode Matrix Programmable
- One Year Warranty

The IC-U12 comes standard with the IC-CM5 battery pack, flexible antenna and earphones.



With ICOM, the business at hand is quality.

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Regional Sales/Service Center, 3331 Towerwood Drive, Suite 307, Dallas, TX 75234 (214) 620-2780

All stated specifications are approximate and subject to change without notice or obligation. All ICOM radios significantly exceed FCC regulations limiting spurious emissions. U121284



# IC-U12 UHF Handheld

## Specifications:

### GENERAL

Frequency Range	U12 High 460-470MHz; U12 Low 450-460MHz
Number of Channels	12 programmable channels, operation simplex, semi-duplex
Usable Temperature	-20°C to 60°C (-4°F to 140°F)
Antenna Impedance	50 ohms unbalanced
Microphone	Built-in electret condenser microphone
Dimensions	7"H x 2½"W x 1¾"D
Weight	1.1 lbs.
Channel Spacing	25 (12.5KHz optional)
Current Drain	
Standby	22mA
Receive	170mA
Transmit	900mA
Compliance	FCC Parts 21, 90; DOC
FCC Type Acceptance Number	AFJ9XU IC-U12

### RECEIVER

Sensitivity	20dB quieting - better than 0.5uV; 12dB SINAD - better than 0.4uV
Squelch Sensitivity	Threshold - less than 0.4uV
Modulation Acceptance	16F3
Selectivity	70dB min.
Spurious & Image Rejection	60dB
Intermodulation	65dB
Audio Power Output	Min. 400mW @ 10% distortion
Frequency Stability	0.0005%
Channel Spread	10MHz

### Transmitter

RF Power Output	3.0 watts with CM5 battery pack
Spurious & Harmonic Emissions	More than -57dB
Frequency Stability	±0.0005% (-30°C to 60°C)
Modulation System	Variable reactance frequency modulation
Audio Distortion	Less than 5%
Channel Spread	10MHz

## Battery Packs

BATTERY PACK MODEL	HEIGHT	CHARGER REQUIRED	BATTERIES	VOLTAGE	U12 TYPICAL OUTPUT (IN WATTS)	REPLACE-ABLE BATTERIES	NOTES
IC-CM2	39mm 1.6 in.	CM-30 or CM-35	N-425AR (x6)	7.2	1.0	No	Low Power/Quick Charge (1.5h) Long Life/Overcharge protected
IC-CM3	39mm 1.6 in.	CM-25U or CM-30 or CM-35	N-250 AA (x7)	8.4	1.5	No	Standard Power/ Standard Charge (1.5h)
IC-CM4	49mm 2.0 in.	**	AA-3 (x6)	9.0	2.5	Yes	Standard Power/No Recharge capability
			NiCd AA (x6)	7.2	1.0	Yes	Low Power/Long Life* Standard Charge (1.5h)
IC-CM5	60mm 2.5 in.	CM-30 or CM-35	N-425 AR (x9)	10.8	3.0	No	Medium Power/Long Life Quick Charge (1.5h)/overcharge protected
IC-CM8	79.5mm 3.2 in.	CM-16U or CM-30 or CM-35	N-800 AR (x7)	8.4	1.5	No	Standard Power/Long Life (800mAh)

\*With 450mAh NiCd Batteries \*\*Do not attempt to recharge regular or alkaline batteries

## Options

### TC-2 Encoder/Decoder

Tone coded squelch board for IC-U12. Single tone capability. For use when DTMF capability is required.

### TC-3 Encoder/Decoder

Tone coded squelch board for IC-U12. Single tone capability.

## ACCESSORIES

### IC-CM1 Cigarette Lighter Cord

Plugs into lighter socket to charge IC-CM3 or into IC-DM1 to operate unit from car battery.

### CM-35 Drop-in Charger

Charges all ICOM battery packs. Charges IC-CM2 in 1.5 hours, IC-CM3 in 15 hours, IC-CM5 in 1.5 hours, and the IC-CM8 in 2.5 hours.

### IC-CM9 Speaker/Microphone

Plugs into transceiver and clips on lapel or pocket. Has PTT button.

### LC-H12/5 Leather Case

High quality case to protect your transceiver.

### CM-25U Wall Charger

Charges IC-CM3 pack, standard with transceiver.

### CM-16U Wall Charger

Charges IC-CM8 pack only

### IC-DM1 DC Regulator

Allows direct operation from vehicle battery.

### IC-ML25 Amplifier

Raises the power of the handheld to a full 25 watts.

### IC-AA1 Antenna Adapter

Allows the handheld to be plugged directly into existing base or vehicle antenna.

### Telescoping Antenna

For extended range operation CA2 (¼ wave-collapses to 4¼") CA5 (¾ wave-collapses to 7¼")

### HS-10 Headset

With Boom mic for H12/H6 & H2. (Requires HS-10SB).

### HS-10SB PTT Switchbox

To be used with HS-10.

